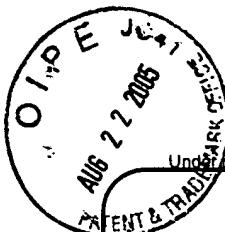


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PTO/SB/21 (09-04)

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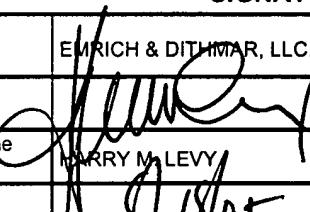
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| | |
|---|-----------------------------------|
| Application Number 10/648,052 Filing Date August 26, 2003 First Named Inventor Orlando Auciello Art Unit 1754 Examiner Name Colleen P. Cooke | |
| Total Number of Pages in This Submission 1 | Attorney Docket Number ANL 273 |

ENCLOSURES (Check all that apply)

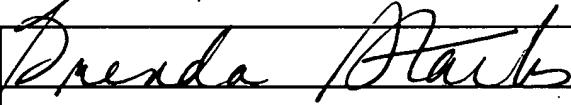
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| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): return receipt postcard |
| Remarks | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|--|----------|-------|
| Firm Name EMRICH & DITHMAR, LLC. | | |
| Signature  | | |
| Printed name HARRY M. LEVY | | |
| Date 8/19/05 | Reg. No. | 24248 |

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

| | |
|-------------------------|--------------|
| TOTAL AMOUNT OF PAYMENT | (\\$) 180.00 |
|-------------------------|--------------|

| Complete if Known | |
|----------------------|------------------------|
| Application Number | 10/648,052 |
| Filing Date | August 26, 2003 |
| First Named Inventor | U. Balachandran et al. |
| Examiner Name | Colleen P. Cooke |
| Art Unit | 1754 |
| Attorney Docket No. | ANL 273 |

METHOD OF PAYMENT (check all that apply)

- Check Credit Card Money Order None Other (please identify): _____
- Deposit Account Deposit Account Number: 05-1060 Deposit Account Name: Emrich & Dithmar LLC.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
- Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Small Entity Fee (\$) | Fee (\$) |
|--|--------------|----------|---------------|---------------------------|-----------------------|----------|
| - 20 or HP = | x | = | | | 50 | 25 |
| HP = highest number of total claims paid for, if greater than 20. | | | | | 200 | 100 |
| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | | 360 | 180 |
| - 3 or HP = | x | = | | | | |
| HP = highest number of independent claims paid for, if greater than 3. | | | | | | |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| - 100 = | / 50 = | (round up to a whole number) x | | = 0 |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): IDS filing fee: return receipt postcard

180.000

SUBMITTED BY

| | | |
|---|---|------------------------|
| Signature  | Registration No. (Attorney/Agent) 24,248 | Telephone 312-563-9800 |
| Name (Print/Type) HARRY M. LEVY | | Date 8/18/05 |

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : U. Balachandran et al.
Title : LAYERED STRUCTURE OF CU CONTAINING
 SUPERCONDUCTOR AND AG OR AG ALLOYS WITH CU
Serial No. : 10/648,052
Filed : August 26, 2003
Docket No. : ANL 273
Date : August 17, 2005

MAIL STOP DD

Director for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants undersigned attorneys, who prepared the above-identified application, are aware of the prior art references listed on the attached Form PTO-1449, which prior art references are relevant to said application. Copies of the prior art publications and enclosed.

The Commissioner is authorized to charge any additional fees or credit any overpayments incident to the filing of this Disclosure to Deposit Account No. 05-1060. A duplicate copy of this paper is enclosed.

Respectfully submitted,

08/23/2005 EAYALEW1 00000024 10648052

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180.00 OP

EMRICH & DITHMAR, LLC.

Attorneys for Applicants

Suite 2080

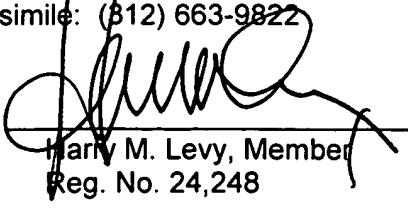
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Chicago, Illinois 60606

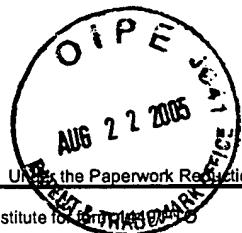
Telephone: (312) 663-9800

Facsimile: (312) 663-9822

By:


Harry M. Levy, Member
Reg. No. 24,248

Date: 8/18/05



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Substitute for Form 1449 (Rev. 1-2001)

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| Application Number | 10/648,052 |
| Filing Date | August 26, 2003 |
| First Named Inventor | U. Balachandran et al. |
| Art Unit | 1754 |
| Examiner Name | Colleen P. Cooke |

Sheet 1 of 2 Attorney Docket Number ANL 273

| NON PATENT LITERATURE DOCUMENTS | | |
|--|-----------------------|---|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| | | B.W. Kang, A. Goyal et al., Comparative Study of Thickness Dependence of Critical Current Density ..., J. Mater. Res. Vol. 17, No. 7, July 2002 |
| | | V.A. Maroni, K. Venkataraman et al., Nondestructive Analysis of Phase Evolution and Microstructure..., Physica C 382 (2002) 21-26 |
| | | R.M. Baurceanu, V.A. Maroni et al., Investigation of a Multi-Set-Point First Heat Treatment..., Supercond. Sci. Technol. 15 (2002) 1167-1175 |
| | | R.M. Baurceanu et al., Time Evolution of Phase Composition and Microstructure..., Supercond. Sci. Technol 15 (2002) 1160-1166 |
| | | Y.L. Tang, D.J. Miller et al., Improved Microstructure in Ag/Bi-2223..., Supercond. Sci. Technol. 15 (2002) 1-7 |
| | | J.H. Je, H. You et al., Detection of a Pd-Ni Interlayer at the Pd/Ni Interface..., Physica C 383 (2002) 241-246 |
| | | U. Balachandran et al., Development of High-Temperature Superconductors... , Abstract of Invited Keynote Talk at Brazilian Physical Soc., Recife, Brazil, Nov. 5-8, 2002 |
| | | U. Balachandran, B. Ma et al., Development of Coated Conductors by Inclined Substrate Deposition, Int. Sym. on Supercond., Japan 11/2002 |
| | | S. Tsukui, R.E. Koritala et al., Oxygen and Cation Diffusion in YBCO Coated Conductors, Physica C 392-396 (2003) 841-846 |
| | | B. Ma, M. Li et al., Pulsed Layer Deposition of YBCO Films on ISD MgO Buffered Metal Tapes, Supercond. Sci. Technol. 16 (2003) 464-472 |

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|--------------------|-----------------|
| Examiner Signature | Date Considered |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Application Number | 10/648,052 |
| | | | | Filing Date | August 26, 2003 |
| | | | | First Named Inventor | U. Balachandran et al. |
| | | | | Art Unit | 1754 |
| | | | | Examiner Name | Colleen P. Cooke |
| Sheet | 2 | of | 2 | Attorney Docket Number | ANL 273 |

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| | | M. Li, B. Ma et al., Pulsed Laser Deposition of c-axis Untilted YBCO Films on c-axis tilted ISD MgO Buffered Metallic Substrate, Physica C 387 (2003) 373-381 | | | |
| | | B. Ma, M. Li et al., Inclined Substrate Pulsed Laser Deposition..., Abstract from American Ceramic Society 105th Ann. Meeting & Exposition, Nashville, Tenn., April 27-30, 2003 | | | |
| | | P.S. Shanakar et al. Residual Stress Measurements in YBCO-Coated Conductors, Abstract at 105th Amer. Ceramic Soc. Mtg. Tenn. April 2003 | | | |
| | | Y.X. Zhou, M. Mironova et al., New Seeding Method for Texturing Y-Ba-Cu-O Bulk, 105th Ann. Meeting Amer. Cera. Soc. TN, April 2003 | | | |
| | | R.M. Baurceanu, S.E. Dorris et al., Copper Additions to Silver Substrates for YBa ₂ Cu ₃ O ₇ ..., Abstract at 105th Mtg. Expo. Amer. Ceramic Soc. 2003 | | | |
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